

The Distributive Property & Combining Like Terms

Date _____ Period _____

Simplify each expression.

$$1) \underline{8b} - \underline{3b}$$
$$5b$$

$$2) \underline{-6r} - \underline{9r}$$
$$-15r$$

$$3) \underline{x} - \underline{1} + \underline{9}$$
$$x + 8$$

$$4) \underline{9n} - 6 + \underline{2n}$$
$$11n - 6$$

$$5) \underline{10m} - \underline{7} + \underline{3m} - \underline{10}$$
$$13m - 17$$

$$6) -10(\overbrace{1 + 10v})$$
$$-10 - 100v$$

$$7) 10(\overbrace{k - 5})$$
$$10k - 50$$

$$8) -10(\overbrace{a - 8})$$
$$-10a + 80$$

$$9) -4(-4 - 10n)$$

$$16 + 40n$$

$$10) -5(-7x - 10)$$

$$35x + 50$$

$$11) -2(2m + 1) + 9m$$

$$\underline{-4m} - 2 + \underline{9m}$$

$$5m - 2$$

$$12) 5 + 10(1 - p)$$

$$\underline{5} + \underline{10} - 10p$$

$$15 - 10p$$

$$13) -3 - 7(-2 + 9n)$$

$$\underline{-3} + \underline{14} - 63n$$

$$11 - 63n$$

$$14) 10(-5x + 10) + 5$$

$$\underline{-50x} + \underline{100} + \underline{5}$$

$$-50x + 105$$

$$15) -6(6 - 8r) + 2(-3 + r)$$

$$\underline{-36} + \underline{48r} - \underline{6} + \underline{2r}$$

$$50r - 42$$

$$16) 5(x - 6) + 7(x + 1)$$

$$\underline{5x} - \underline{30} + \underline{7x} + \underline{7}$$

$$12x - 23$$